

Installation
Printing on screen

VS code IDE
gcc compiler

Library files :

iostream

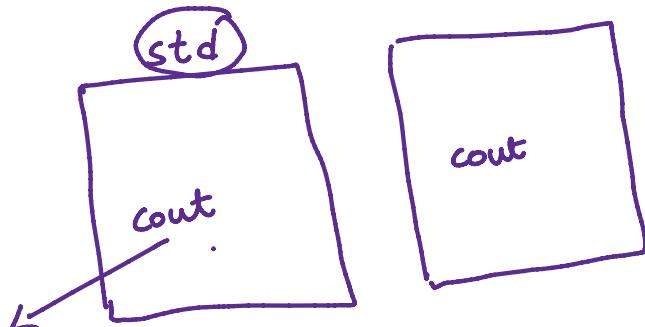
```
#include <iostream>
int main() {
    cout << "Hello World";
    return 0;
}
```

C++
case
sensitive

std
↑
namespace

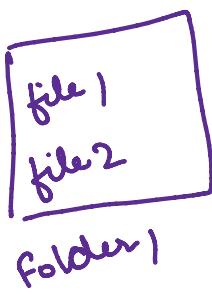
Printing
o/p.

std::cout << "Hello World";



```
#include <iostream>
using namespace std;
int main() {
    cout << "Hello World";
    return 0;
}
```

}



```
cout << "Hello";  
cout << "World";
```

Hello ↑
World

- ① endl
- ② \n

```
cout << "Hello" << endl;  
cout << "World";
```

Hello ↓
World

```
cout << "Hello\n";  
cout << "World";
```

Hello ↴
World

```
Cout << "Hello" << endl << "World";  
cout << "Hello \n World";
```

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24-Oct-2022 — Download MinGW-w64 - for 32 and 64 bit Windows for free. A complete runtime environment for gcc. The mingw-w64 project is a complete runtime ...

Programming Language: Unix Shell, C++, C

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<https://www.mingw-w64.org...>

MinGW-w64

Mingw-w64 is an advancement of the original mingw.org project, created to support the GCC compiler on Windows systems. It has forked it in 2007 in order to ...

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MinGW - Minimalist GNU for Windows

A native Windows port of the GNU Compiler Collection (GCC)
Brought to you by: cstraus, earnie, gressett, kelthmarshall

★★★★★ 165 Reviews Downloads: 5,188,013 This Week Last Update: 2021-09-05

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Windows

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This project is in the process of moving to osdn.net/projects/mingw, you can continue to follow us there.

MinGW: A native Windows port of the GNU Compiler Collection (GCC), with freely distributable import libraries and header files for building native Windows applications; includes extensions to the MSVC runtime to support C99 functionality. All of MinGW's software will execute on the 64-bit Windows platforms.

Project Samples

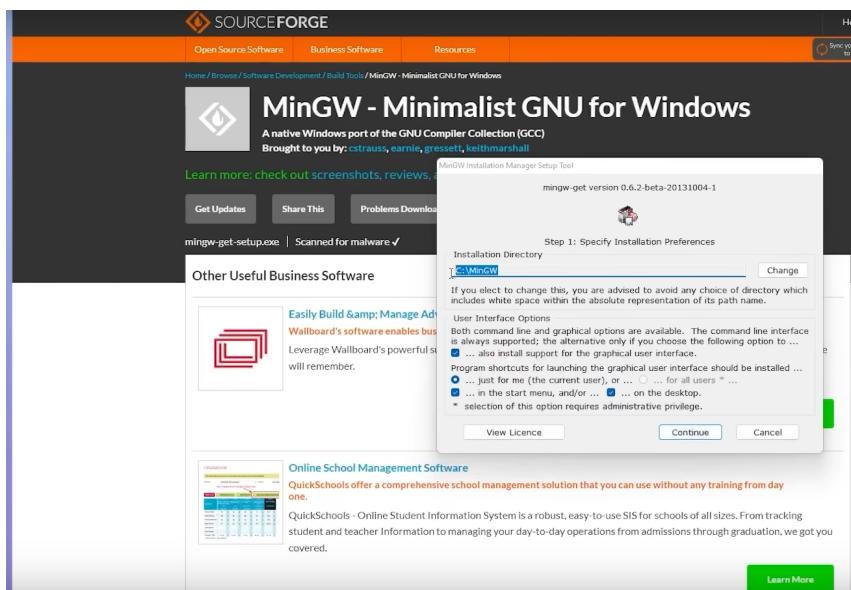
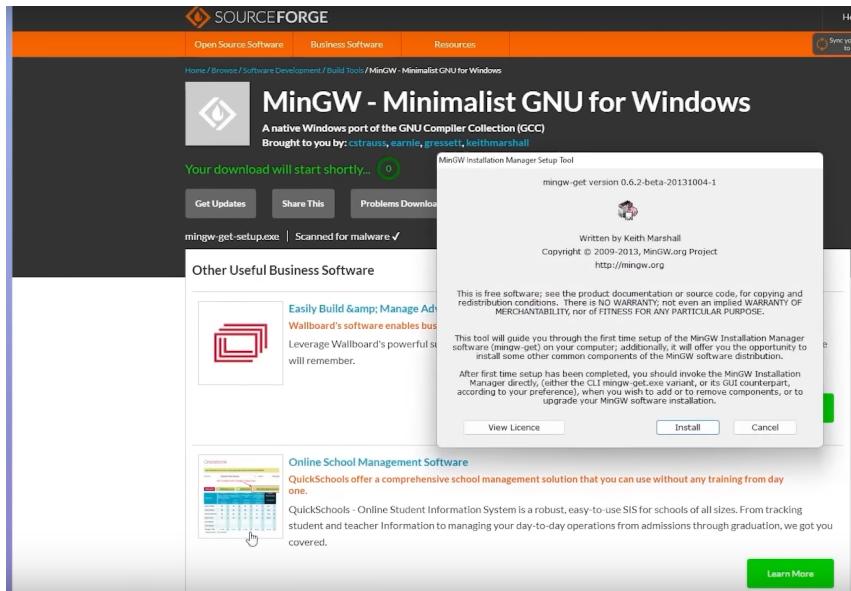
MinGW-w64 0.3.10 Beta 202001 1 MinGW-w64 0.3.10 Beta 202001 1 MinGW-w64 0.3.10 Beta 202001 1 MinGW-w64 0.3.10 Beta 202001 1

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mingw-get version 0.6.2-beta-20131004-1

Step 2: Download and Set Up MinGW Installation Manager

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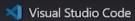
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Setup - Microsoft Visual Studio Code (User)

Select Additional Tasks
Which additional tasks should be performed?

Additional icons:
 Create a desktop icon
Others:
 Add 'Open with Code' action to Windows Explorer file context menu
 Add 'Open with Code' action to Windows Explorer directory context menu
 Register Code as an editor for supported file types
 Add to PATH (requires shell restart)

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Windows

User Installer **64 bit**
System Installer **64 bit** **.zip**

Mac

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Setup - Microsoft Visual Studio Code (User)

Ready to Install
Setup is now ready to begin installing Visual Studio Code on your computer.

Click Install to continue with the installation, or click Back if you want to review or change any settings.

Destination location:
C:\Users\yvee\AppData\Local\Programs\Microsoft VS Code

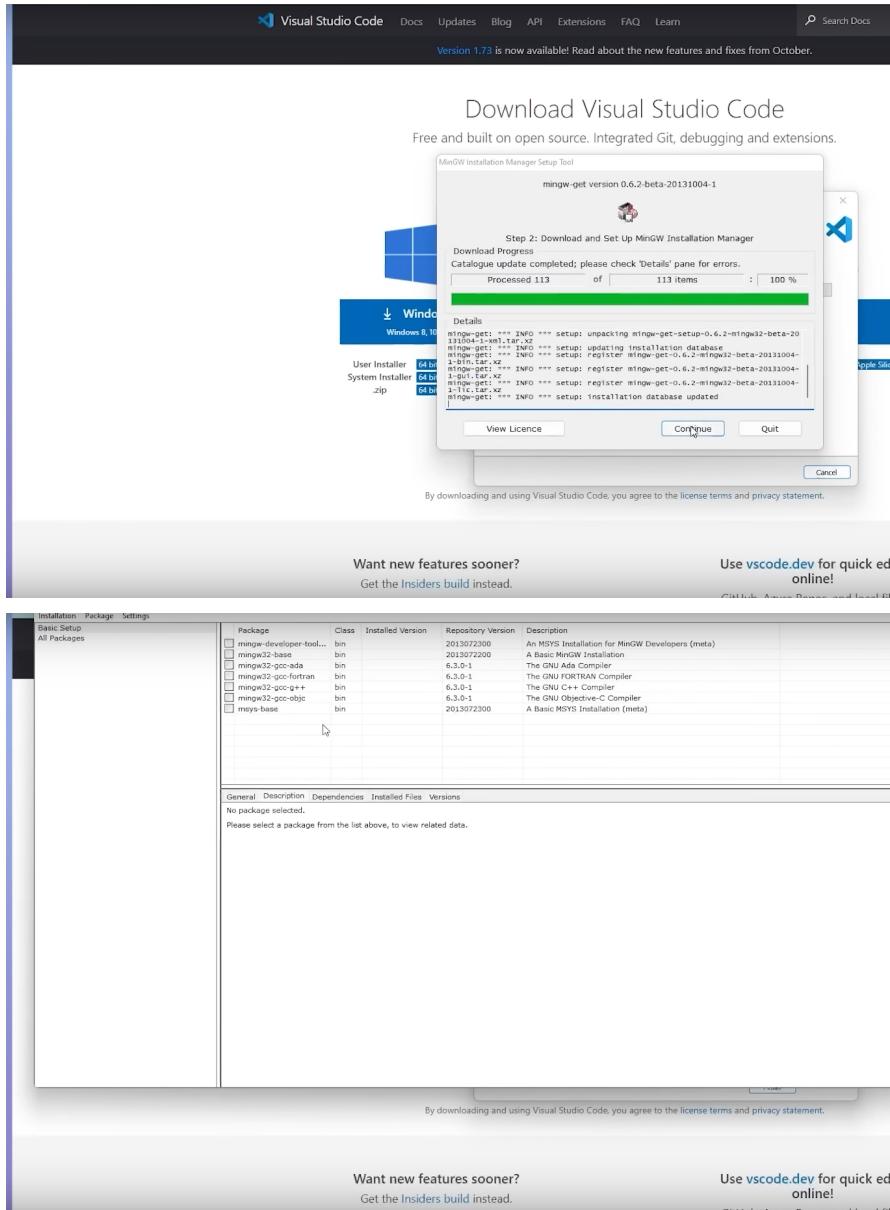
Start Menu folder:
Visual Studio Code

Additional tasks:
Additional icons:
 Create a desktop icon
Others:
 Add to PATH (requires shell restart)

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Installation Package Settings

Basic Setup All Packages

Package	Class	Installed Version	Repository Version	Description
Unmark		2013072200	2013072200	An MSYS Installation for MinGW Developers (meta)
Mark for Installation		6.3.0-1	6.3.0-1	A Basic MinGW Installation
Mark for Reinstallation		6.3.0-1	6.3.0-1	The GNU Ada Compiler
Mark for Upgrade		6.3.0-1	6.3.0-1	The GNU FORTRAN Compiler
Mark for Removal		2013072300	6.3.0-1	The GNU C++ Compiler
				The GNU Objective-C Compiler
				A Basic MSYS Installation (meta)

General Description Dependencies Installed Files Versions

An MSYS Installation for MinGW Developers (meta)

This meta package contains the components necessary to create a relatively complete MSYS installation suitable for most MinGW developer's needs. It includes the msys-base system, the autotools (autoconf, automake, libtool), gettext, and libiconv components for use in making and building native Windows (MinGW) programs. It includes m4, perl, vim, patch, make, and various other tools and libraries. It also includes some clients for sed, diff, tar, and gzip.

Note that, for certain esoteric reasons, some of the packages installed by this meta package are MSYS packages, and install, as expected, in the / == /usr directory (that is, into C:\msys whatever you've chosen as the "real" MSYS path). However, it also includes some MinGW packages; the autotools are technically configured for MinGW, and are installed into the directory (path) of choice (whatever you've chosen as the "real" MinGW path).

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Basic Setup All Packages

Package	Class	Installed Version	Repository Version	Description
mingw-developer-tools...	bin	2013072300	2013072200	An MSYS Installation for MinGW Developers (meta)
mingw32-base	bin	2013072200	2013072200	A Basic MSYS Installation
mingw32-gcc-ada	bin	6.3.0-1	6.3.0-1	The GNU Ada Compiler
mingw32-gcc-fortran	bin	6.3.0-1	6.3.0-1	The GNU FORTRAN Compiler
mingw32-gcc-g++	bin	6.3.0-1	6.3.0-1	The GNU C++ Compiler
mingw32-gcc-objective-c	bin	6.3.0-1	6.3.0-1	The GNU Objective-C Compiler
msys-base	bin	2013072300	2013072300	A Basic MSYS Installation (meta)

General Description Dependencies Installed Files Versions

The GNU Objective-C Compiler

This package provides the Objective-C compiler component of the GNU Objective-C Compiler.

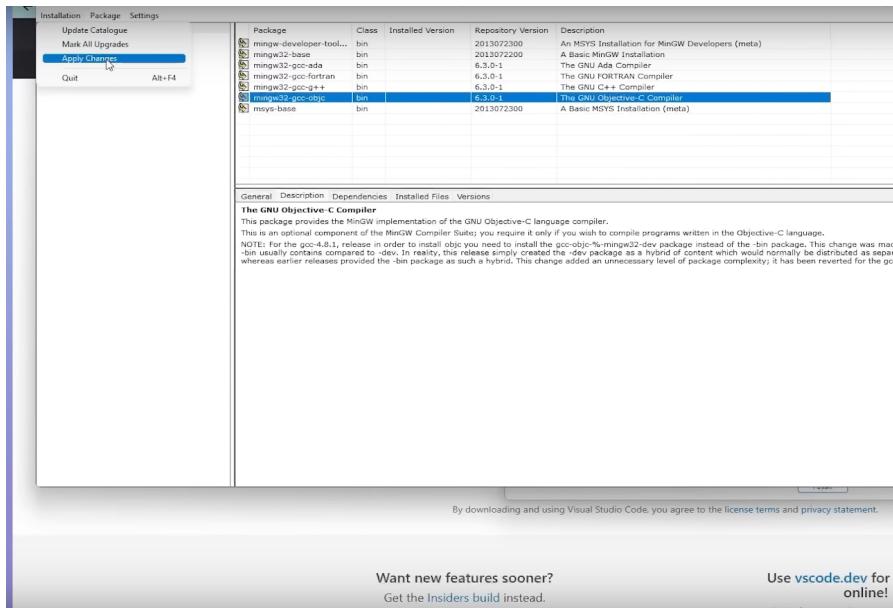
This is the optional component of the MinGW Compiler suite you require to compile Objective-C code with to compile programs written in the Objective-C language.

NOTE: For the gcc-4.8.1 release in order to install objc you need to install the gcc-objc-%mingw32-dev package instead of the bin package. This change was made to be concise -bin usually contains compiler-to-dev. In reality, this release simply created the -dev package as a hybrid of content which would normally be distributed as separate -bin and -de whereas earlier releases provided the -bin package as such a hybrid. This change added an unnecessary level of package complexity; it has been reverted for the gcc-4.9.3 release.

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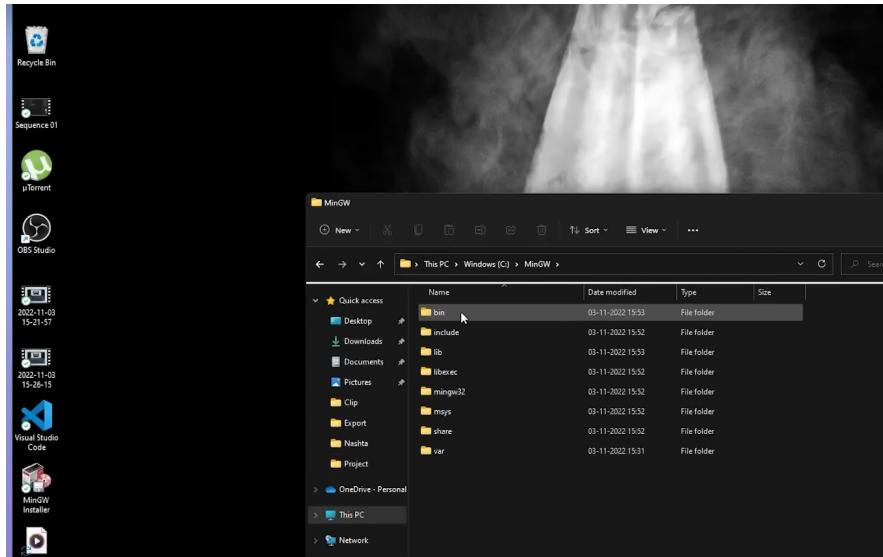
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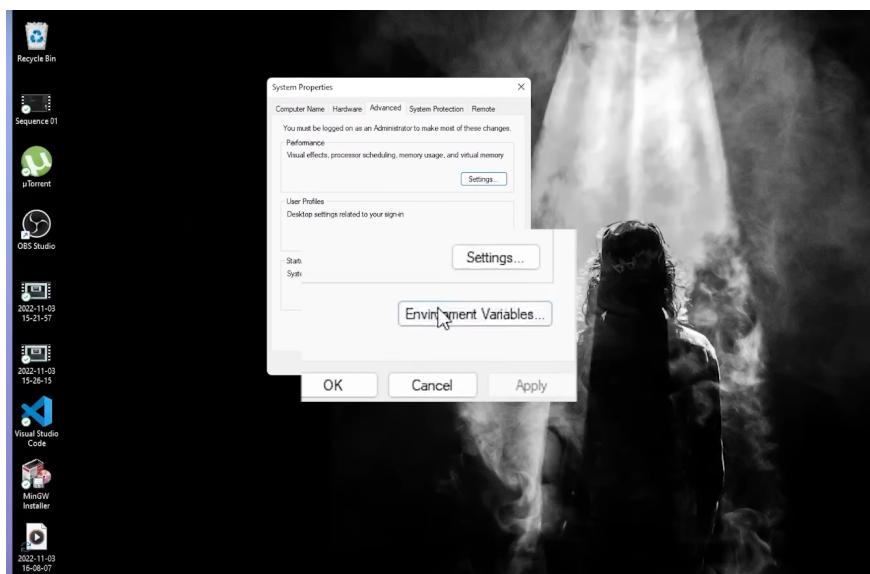
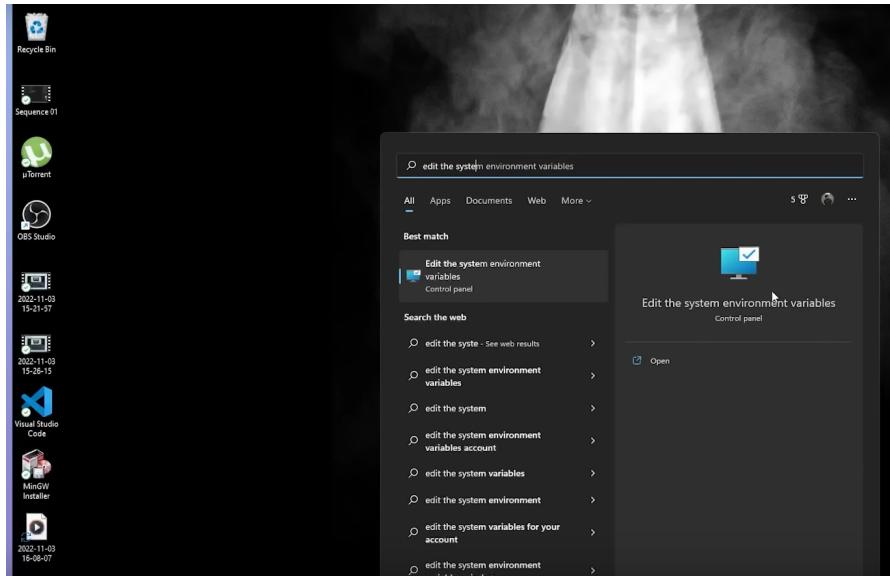


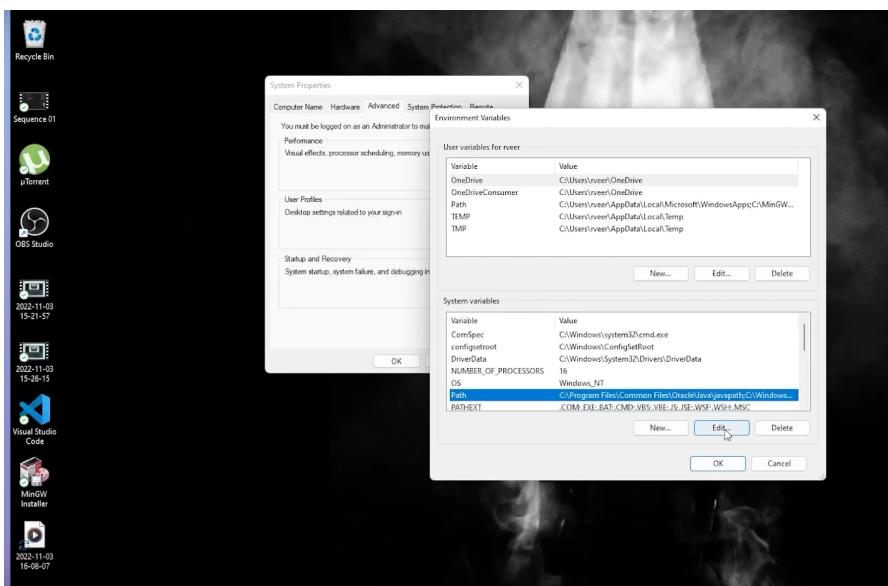
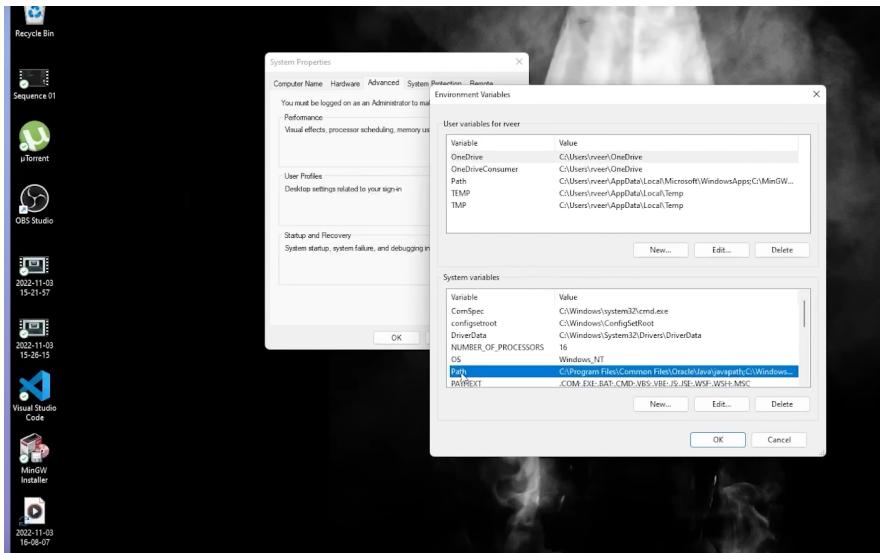
File Explorer view of MinGW bin directory:

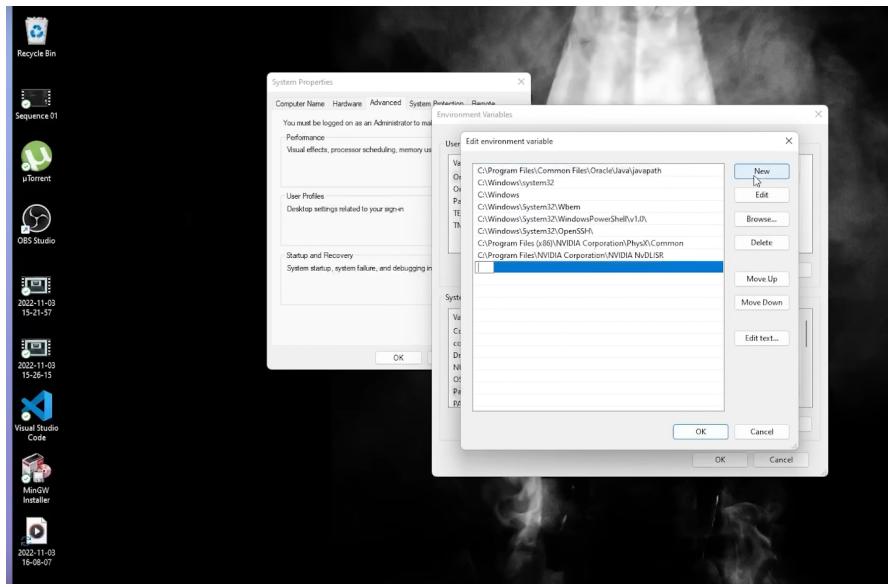
Name	Date modified	Type	Size
acllocal	25-07-2009 08:11	File	5 KB
acllocal-1.4	25-07-2009 11:34	File	12 KB
acllocal-1.5	25-07-2009 11:15	File	14 KB
acllocal-1.6	25-07-2009 11:03	File	13 KB
acllocal-1.7	25-07-2009 10:48	File	13 KB
acllocal-1.8	25-07-2009 10:50	File	19 KB
acllocal-1.9	25-07-2009 09:10	File	20 KB
acllocal-1.10	25-07-2009 08:34	File	31 KB
acllocal-1.11	12-09-2010 08:09	File	31 KB
addr2line	22-05-2017 15:48	Application	945 KB
ar	22-05-2017 15:48	Application	970 KB
as	22-05-2017 15:48	Application	1,064 KB
autocore	05-09-2011 11:49	File	5 KB
autocore-2.13	25-07-2009 07:37	File	5 KB
autocore-2.68	05-09-2011 18:38	File	15 KB
autoheader	05-09-2011 11:49	File	5 KB
autoheader-2.13	25-07-2009 07:37	File	9 KB
autoheader-2.68	05-09-2011 18:38	File	9 KB
autom4te	05-09-2011 11:49	File	5 KB
autom4te-2.68	05-09-2011 18:38	File	32 KB
automake	25-07-2009 08:11	File	5 KB
automake-1.4	25-07-2009 11:24	File	195 KB
automake-1.5	25-07-2009 11:15	File	213 KB
automake-1.6	25-07-2009 11:03	File	232 KB
automake-1.7	25-07-2009 10:48	File	265 KB
automake-1.8	25-07-2009 10:50	File	207 KB
automake-1.9	25-07-2009 09:10	File	218 KB

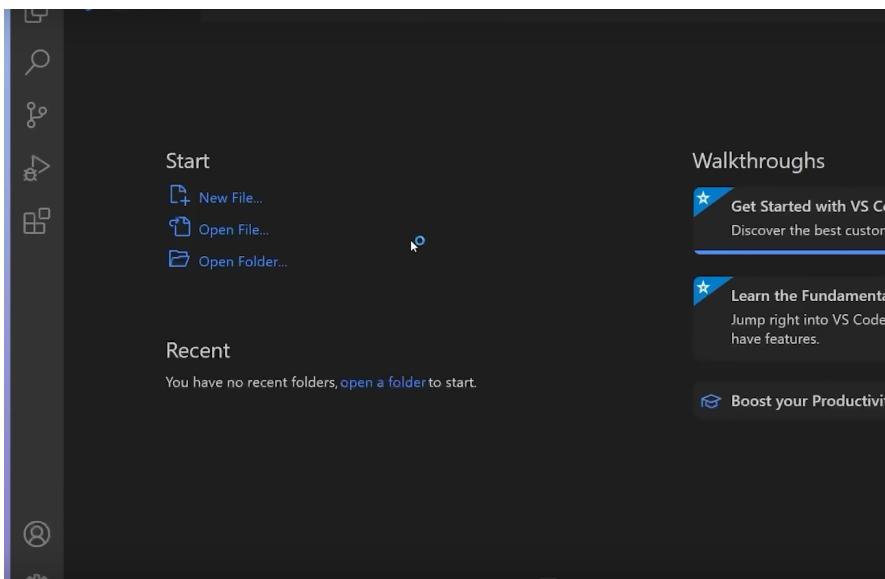
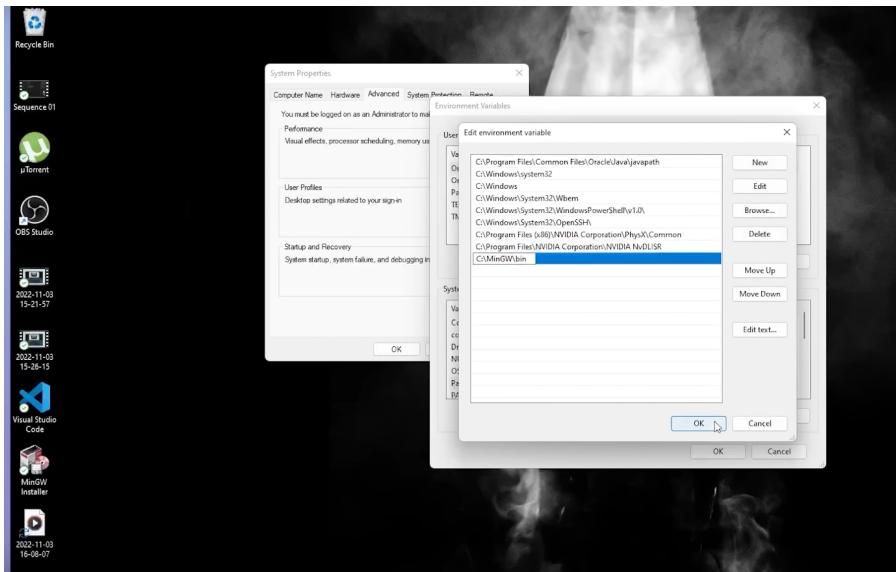
File Explorer view of C:\MinGW\bin directory:

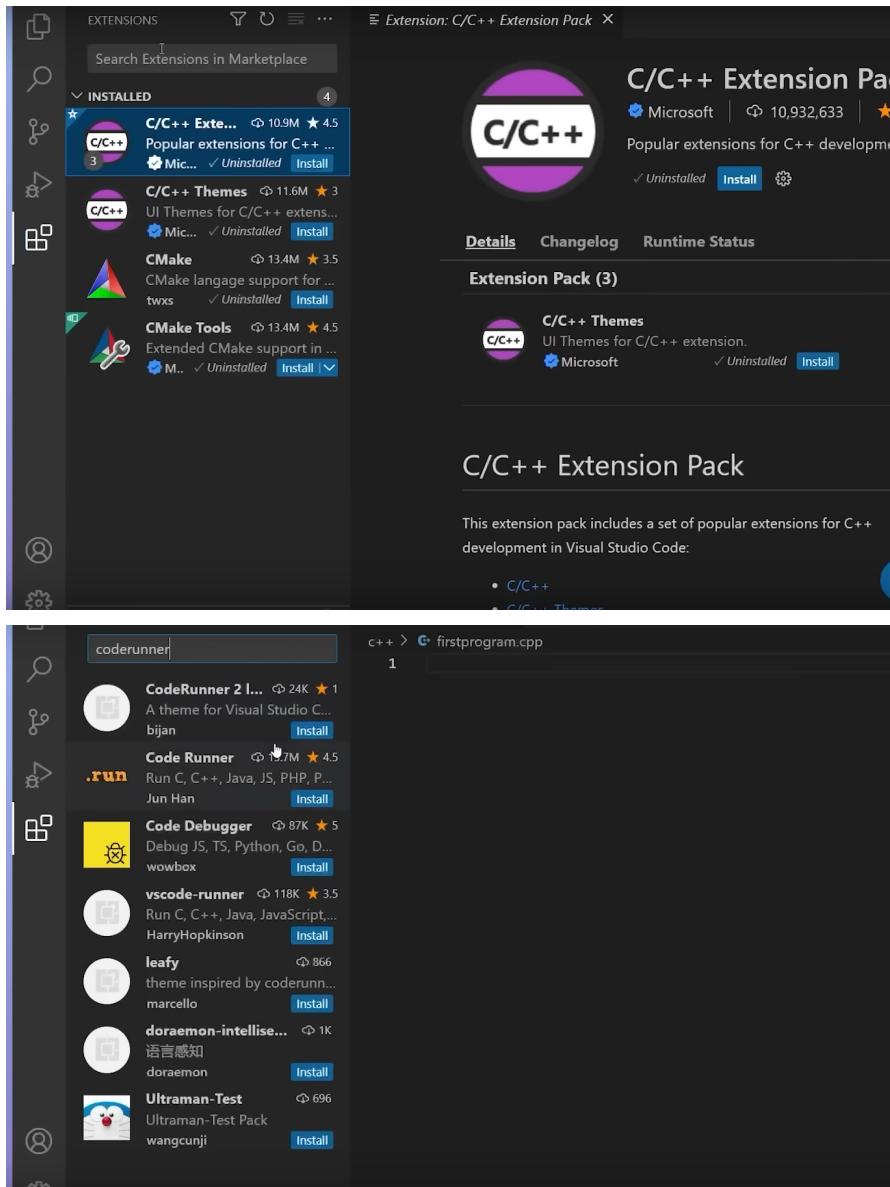
Name	Date modified	Type	Size
acllocal	25-07-2009 08:11	File	5 KB
acllocal-1.4	25-07-2009 11:34	File	12 KB
acllocal-1.5	25-07-2009 11:15	File	14 KB
acllocal-1.6	25-07-2009 11:03	File	13 KB
acllocal-1.7	25-07-2009 10:48	File	13 KB
acllocal-1.8	25-07-2009 10:50	File	19 KB
acllocal-1.9	25-07-2009 09:10	File	20 KB
acllocal-1.10	25-07-2009 08:34	File	31 KB
acllocal-1.11	12-09-2010 08:09	File	31 KB
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autocore-2.68	05-09-2011 18:38	File	15 KB
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autoheader-2.68	05-09-2011 18:38	File	9 KB
autom4te	05-09-2011 11:49	File	5 KB
autom4te-2.68	05-09-2011 18:38	File	32 KB
automake	25-07-2009 08:11	File	5 KB
automake-1.4	25-07-2009 11:24	File	195 KB
automake-1.5	25-07-2009 11:15	File	213 KB
automake-1.6	25-07-2009 11:03	File	232 KB
automake-1.7	25-07-2009 10:48	File	265 KB
automake-1.8	25-07-2009 10:50	File	207 KB
automake-1.9	25-07-2009 09:10	File	218 KB

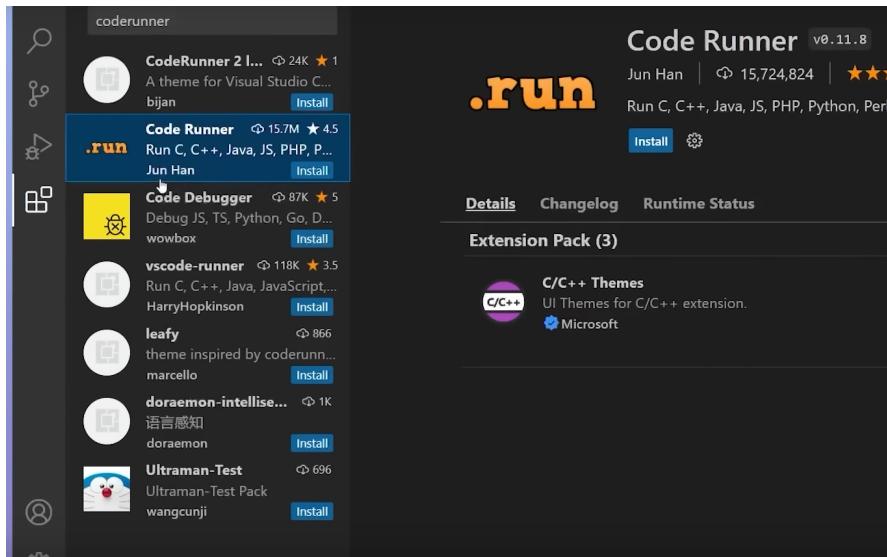


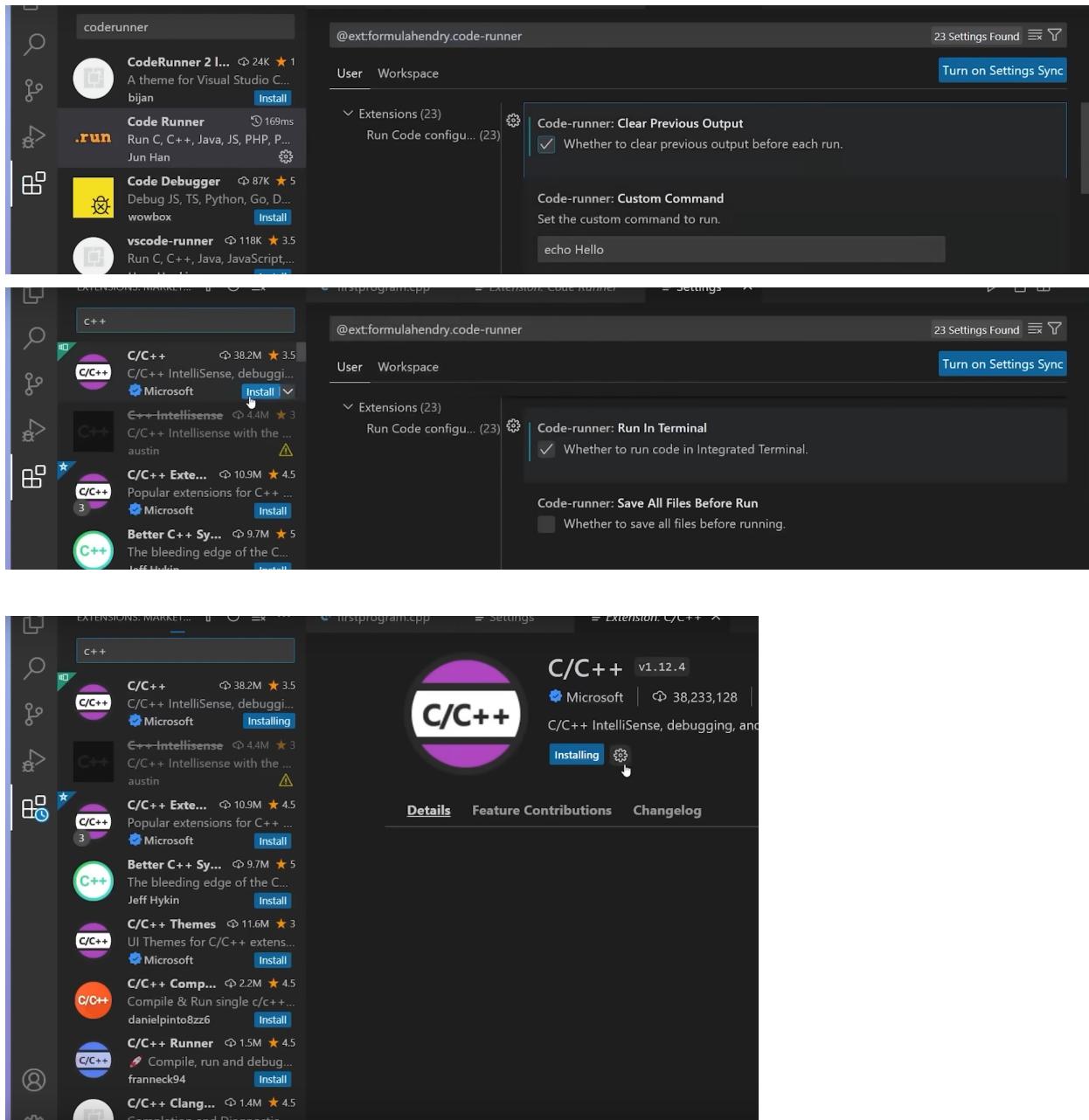












Mac

Command 1: arch -x86_64 /bin/bash -c "\$(curl -fsSL http://bit.ly/homebrew_techdecode)"

Command 2: arch -x86_64 brew install mingw-w64